Insight 1

https://public.tableau.com/app/profile/mohsen2390/viz/FlightDelayProject_3/WorstdelaysAirportDashboard

Summary:
From this dashboard we can see that Sawyer International Airport is the worst airport in average arrival delay (83.24) followed by Ithaca Tompkins Regional Airport (52.00).

We can use filters to compare other airports' average arrival delay.

Design:
I set the limit to 10 when selecting all airports to make it easy to read. Also on map state is added as a tooltip.

Insight 2

https://public.tableau.com/app/profile/mohsen2390/viz/FlightDelayProject_4/WorstdelaysAirlineBar

Summary:
From this worksheet we can see that Spirit AirLines is the worst airline in average arrival delay while Alaska Airlines Inc is the best one (actually on average it has a negative delay time).

Design:
This is a simple bar chart with no filters.

Insight 3

https://public.tableau.com/app/profile/mohsen2390/viz/FlightDelayProject_5/Whatcausesdelays

Summary:

There are a lot of reasons that cause delays but with the help of this worksheet we can see that Late Aircraft is the most common reason while security is the least.

Design:
Bar chart is the best choice with the average delay aggregation.

Insight 4

https://public.tableau.com/app/profile/mohsen2390/viz/FlightDelayProject_8/Cancelation reasons

Summary:
From this worksheet we can see that weather is the most common reason for cancellation.

Design:
I used a pie chart as we have only 4 cancellation reasons. Also I choose colors that will be easy to see even for color blind people.

Resources:

1- kaggle.com
2- youtube.com
3- github.com
4- tableau.com(blog)